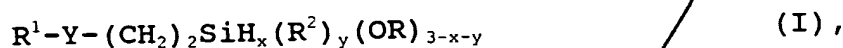


WHAT IS CLAIMED AS NEW AND IS DESIRED TO BE SECURED BY LETTERS  
PATENT OF THE UNITED STATES IS:

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Al 5  
1. An alcoholic fluoroalkyl-functional group containing  
organosiloxane based composition prepared by the controlled  
hydrolysis of at least one fluoroalkyl-functional group  
containing organosilane of formula I:



10 in which  $R^1$  is a mono-, oligo- or perfluorinated alkyl  
group having 1-9 C atoms or a mono-, oligo- or perfluorinated  
aryl group, Y is a  $CH_2$ , O or S group,  $R^2$  and R are each  
independently a linear, branched or cyclic alkyl group having  
1-8 C atoms or an aryl group and  $x = 0, 1$  or  $2$  and  $y = 0, 1$  or  
2, where  $(x+y) \leq 2$ , at a temperature in the range of  $0-120^\circ C$   
15 over a period of 0.5-24 hours and with thorough mixing in an  
alcoholic medium which contains water and a weak mono- or  
polybasic acid or a weak base or a weak mono- or polybasic  
acid and a weak base or an acid or basic salt, the water  
employed and the alkoxysilane employed being in a molar ratio  
20 of 2-500:1.

2. The composition as claimed in Claim 1, which has a  
pH of 2-12.

3. The composition as claimed in Claim 1, wherein the  
alcohol content in the composition is 40-99.999% by weight.

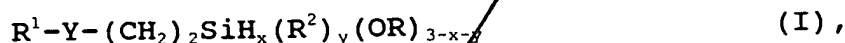
25 4. The composition as claimed of Claim 1, which is free  
of chlorine.

5. The composition as claimed in Claim 1, which  
contains fluoroalkyl-functional group containing  
organosiloxanes in amounts of 0.001-30% by weight, based on

the composition.

6. The composition as claimed in Claim 1, which has a viscosity of less than 10,000 mPa·s.

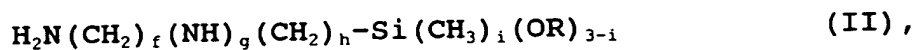
7. A process for the preparation of a fluoroalkyl-functional group containing organosiloxane composition as claimed in Claim 1, which comprises subjecting at least one fluoroalkyl-functional group containing organosilane of formula I:



in wherein  $R^1$  is a mono, oligo- or perfluorinated alkyl group having 1-9 C atoms or a mono-, oligo- or perfluorinated aryl group, Y is a  $CH_2$ , O or S group,  $R^2$  and R are each independently a linear, branched or cyclic alkyl group having 1-8 C atoms or an aryl group and  $x = 0, 1$  or  $2$  and  $y = 0, 1$  or  $2$ , where  $(x+y) \leq 2$ , to controlled hydrolysis with thorough mixing, in an aqueous alcoholic medium which contains a weak mono- or polybasic acid or a weak base or a weak mono- or polybasic acid and a weak base or an acid or basic salt, at a temperature in the range of 0-120°C and over a period of 0.5-24 hours, the water and the alkoxysilane being employed in a molar ratio of 2-500:1.

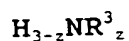
8. The process as claimed in Claim 7, wherein the pH in the reaction medium is adjusted to a value of 2-12.

9. The process as claimed in Claim 7, wherein said weak base is an organosilane of formula II:



in which  $0 \leq f \leq 6$ ,  $g=0$  if  $f=0$  and  $g=1$  if  $f>1$ ,  $0 \leq h \leq 6$ ,  $0 \leq i \leq 1$  and R is a linear, branched or cyclic alkyl group having 1-8 C

atoms or an aryl group, or an alkylamine of formula III:



(III),

wherein  $\text{R}^3$  is a linear, branched or cyclic alkyl group having 1-8 C atoms or a linear, branched or cyclic aminoalkyl group having 1-8 C atoms or an aryl group,  $z = 1, 2$  or  $3$  and groups  $\text{R}^3$  are identical or different.

10. The process as claimed in Claim 7, wherein said weak acid is formic acid, acetic acid, propionic acid or citric acid.

11. The process as claimed in Claim 7, wherein said acid salt alkali metal hydrogen sulfate, dihydrogen phosphate or aluminum acetate.

12. The process as claimed in Claim 7, wherein said basic salt is magnesium hydroxide, alkali metal acetate, alkali metal bicarbonate or alkali metal carbonate.

13. The process as claimed in Claim 7, wherein said alcohol is the alcohol corresponding to the alkoxy group of the organosiloxane employed.

14. The process as claimed in Claim 7, wherein said alcohol is methanol, ethanol, n-propanol, i-propanol, n-butanol, i-butanol, t-butanol and/or 2-methoxyethanol.

15. A method of hydrophobizing and oleophobizing and for simultaneously providing a dirt- and color-repellent treatment of surfaces, of plastics, of metals, of textiles, leather, cellulose and starch products, and of mineral building materials, by applying to such the alcoholic fluoroalkyl group containing organosiloxane composition of Claim 1.

16. A method of protecting building and facades,  
comprising:

applying the alcoholic fluoroalkyl functional group  
containing organosiloxane of Claim 1 to buildings and facades.

17. A method for coating glass fibers, comprising:

coating said glass fibers with the alcoholic fluoroalkyl  
functional group containing organosiloxane of Claim 1.

18. A method of silanizing fillers and pigments,  
comprising:

applying the alcoholic fluoroalkyl functional group  
containing organosiloxane of Claim 1 to said fillers and  
pigments.

19. A method of improving the rheological properties of  
polymer dispersions and emulsions, comprising:

preparing said dispersions and emulsions with the  
alcoholic fluoroalkyl functional group containing  
organosiloxane of Claim 1.

20. A method of providing a release layer with release  
properties, comprising:

incorporating the alcoholic fluoroalkyl functional group  
containing organosiloxane of Claim 1 in the release layer.

21. A method of formulating paints and coatings,  
comprising:

incorporating the alcoholic fluoroalkyl functional group  
containing organosiloxane of Claim 1 in said paint or coating  
material.

22. A method for promoting adhesion of a formulation,  
comprising:

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